



# Weather Briefing

## June 22, 2015



**National Weather Service**  
**Detroit/Pontiac, MI**

<http://www.weather.gov/dtx>

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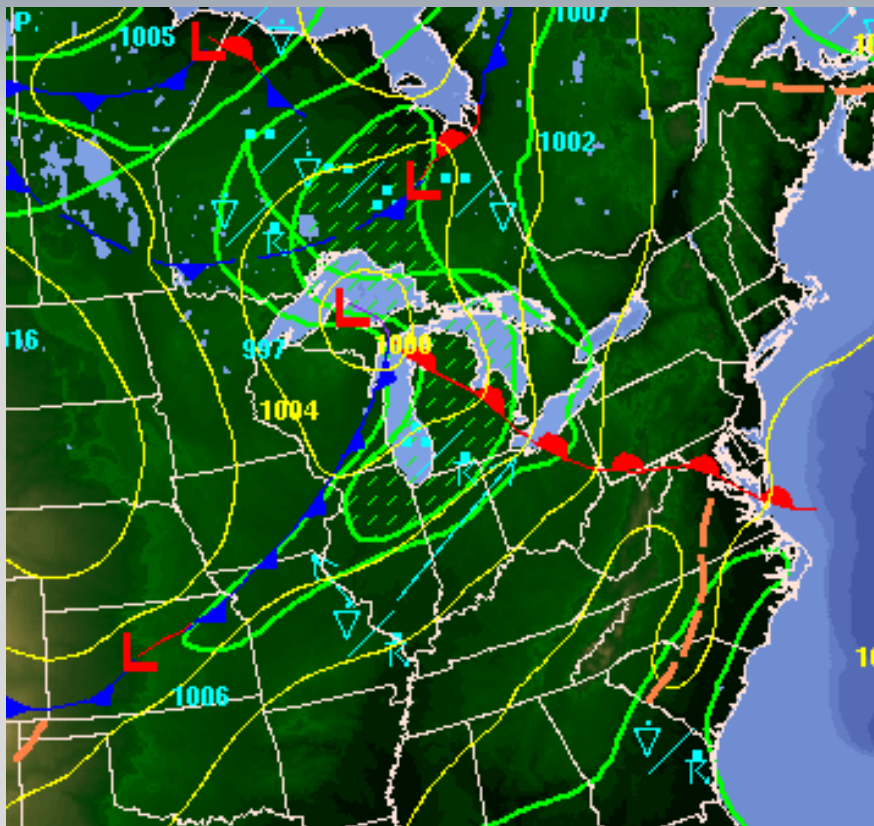


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# Decision Support Briefing Highlights



Forecast weather map for 8PM Monday, June 22

## Event Summary

**Threat of Widespread Severe  
Weather**

**Late Monday through Monday  
Night**

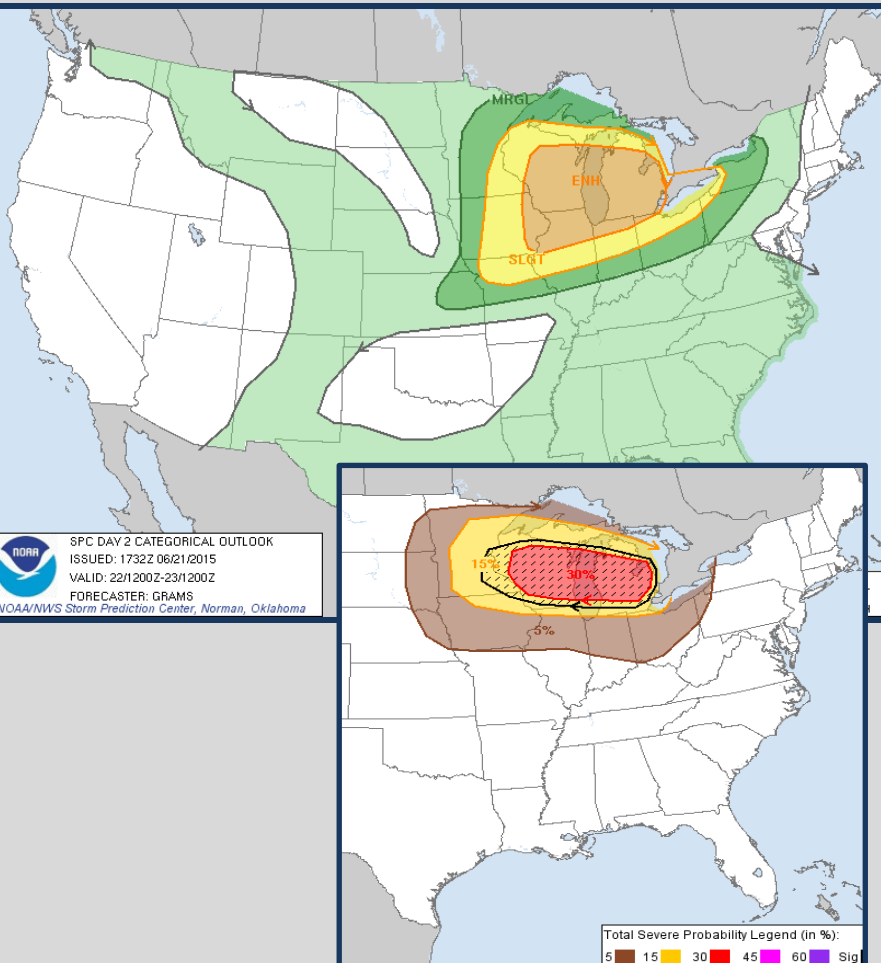
**All of Southeast Michigan**

**Widespread dangerous weather is possible late Monday-Monday Night!**



# Outlook from the Storm Prediction Center

## Valid: 800 AM June 22-800 AM June 23



### Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					
• Winds to 40 mph • Small hail	• Winds 40-60 mph • Hail up to 1" • Low tornado risk	• One or two tornadoes • Reports of strong winds/wind damage • Hail ~1"; isolated 2"	• A few tornadoes • Several reports of wind damage • Damaging hail, 1 - 2"	• Strong tornadoes • Widespread wind damage • Destructive hail, 2" +	• Tornado outbreak • Derecho

\* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.



National Weather Service

[www.spc.noaa.gov](http://www.spc.noaa.gov)



[weather.gov/detroit](http://weather.gov/detroit)



# Hazard Summary



## Severe Weather Risk Late Monday and Monday Night

<b>What</b>	<ul style="list-style-type: none"><li>Increasing threat for severe weather through Monday afternoon and evening, then continuing overnight.</li><li>Initial round of storms may develop during the evening as a warm front lifts through</li><li>Another more organized round possible during the late evening and overnight ahead of a cold front</li></ul> <p><b>MAIN HAZARDS:</b> Winds gusts greater than 70 mph, hail greater than 1", tornadoes</p> <p><b>LESSER THREAT:</b> Flash flooding</p>
<b>Where</b>	<ul style="list-style-type: none"><li>All of Southeastern Michigan</li></ul>
<b>When</b>	<ul style="list-style-type: none"><li>Most likely between 4 PM and 2 AM</li></ul>
<b>Forecast Confidence</b>	<ul style="list-style-type: none"><li>Medium on severe weather.</li><li>Uncertainty with how much instability can build during day and remain overnight, on timing of frontal boundaries, and on arrival of upstream storm complexes.</li></ul>





# Additional Information



**NWS Detroit/Pontiac Hazard and Warning Page**

<http://www.weather.gov/dtx/dtxhazards>

**NWS Detroit/Pontiac Decision Support**

<http://www.weather.gov/dtx/dss>

**Severe Thunderstorm Outlooks**

<http://www.spc.noaa.gov/products/outlook/>

**Regional Radar**

<http://radar.weather.gov/Conus/centgrtlakes.php>

**NWS Detroit/Pontiac, MI**

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